

Cluster: EUROGIA**Cluster sub-project identifier:**

Call Identifier: EOG-03 **Call Date:** 01-Dec-04
Acronym: COSMOS 2 **Project Nb:** EOG-0301 **Status:** Running

Project Title: CO2 Storage, Monitoring and Safety Technology (2)**Schedule**

Label: 14-Oct-05 **Start:** 05 Apr 07 **End:** 04-Apr-10

Summary:

COSMOS-2 aims at developing novel scientific and technical guidelines for maximizing safe geological storage of carbon dioxide (CO₂) in deep saline aquifer formations. This will be achieved by verifying CO₂ injection and migration processes, while assessing and mitigating the risk of storage leakage through the cap rock or wells. The three main components of COSMOS-2 project are: (1) the monitoring of the CO₂ migration in the reservoir using electrical imaging technology, and the development of measurement interpretation techniques for a quantitative analysis of these measurements, (2) the modeling and monitoring of wellbore integrity using permanent sensors and cased-hole logging techniques, (3) the modeling and monitoring of the cap rock integrity during the injection phase. These technologies will be applied in the scope of Ketzin CO₂ injection project.

Technology area

	Medical and Biotechnology		Communications
X	<u>Energy Technology</u>		Environment
	Information Technology		Lasers
	New Materials		Robotics and Production Automation
	Transport		

Estimated Budget and duration:

Estimated budget in M€	Duration in months
3.572	36

Country/member and contribution:

Country/Member	Contribution (%)	Main Member
France	64 %	Schlumberger
Germany	36 %	GFZ
_____	_____	_____
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Coordinator:

Organization: GeoForschungsZentrum Potsdam
Address: Telegrafenberg
Post code: D-14473
City: Potsdam
Country: Germany
Organization type: Research Institute
Contact Name: Prof. Dr. Frank SCHILLING e-mail: fsch@gfz-potsdam.de

Other participants:

Organization: Etudes & Productions Schlumberger Address: 1 Rue Becquerel Post code: F-92142 City: Clamart Cedex Country: France Organization type: LE Contact Name: Mr Matteo LOIZZO e-mail: loizzo1@clamart.oilfield.slb.com
Organization: TOTAL Address: Tour La Coupole – 2, Place de la Coupole Post code: F-92000 City: Paris La Défense Country: France Organization type: LE Contact Name: Mr. Jeremie SAINT-MARC e-mail: jeremie.saint-marc@total.com
Organization: Institut Français du Pétrole Address: 1-4, Avenue de Bois Préau Post code: F-92852 City: Rueil Malmaison Country: France Organization type: Research Institute Contact Name: Mr. Marc FLEURY e-mail: marc.fleury@ifp.fr
Organization: Universität Karlsruhe Address: Universität Karlsruhe Post code: D-76128 City: Karlsruhe Country: Germany Organization type: University Contact Name: Prof. Dr.-Ing. G. Gudehus e-mail: gerd.gudehus@ibf.uni-karlsruhe.de
Organization: Oxand S.A. Address: 36 bis, avenue Franklin Roosevelt 77210 AVON, FRANCE Post code: F-77210 City: Avon Country: France Organization type: SME Contact Name: Dr. Olivier POUPARD e-mail: olivier.poupard@oxand.com